

1 CLAIM:

1. A terminal connector for connecting electrical circuits to a pre-existing relay, the relay including a terminal blade, the connector comprising:

a generally planar body, and

first and second displaceable tabs formed in the planar body, said first and second displaceable tabs being spaced apart to define a tab slot therebetween, the tab slot being adapted for receiving the terminal blade of the relay, whereupon the tabs will engage the terminal blade.

2. The terminal connector of claim 1 wherein the planar body further comprises a wire connecting post adapted to engage a wire conductor.

3. The terminal connector of claim 1 wherein the width of the tab slot is less than the width of the terminal blade.

4. The terminal connector of claim 1 wherein the first and second displaceable tabs are first and second folding tabs.

5. The terminal connector as defined by claim 4 wherein the first and second folding tabs each include a first end carried by the body and a second curled end.

6. A connector for electrically connecting circuits to a pre-existing relay, the relay including a terminal blade, the connector comprising:

a terminal connector including a generally planar body, first and second displaceable tabs formed in the planar body, said first and second displaceable tabs being spaced apart to define a tab slot therebetween, the tab slot being adapted for receiving the terminal blade of the relay, whereupon the tabs will engage the terminal blade; and  
a substrate carrier engageable with the terminal connector.

7. The connector of claim 6 wherein the planar body of said terminal connector further comprises first and second retention tabs and said substrate carrier further defines first and second retention holes, said retention holes being adapted to receive and retain the retention tabs of the terminal connector.

8. The connector of claim 6 wherein the width of the tab slot of said terminal connector is less than the width of the terminal blade.

9. The connector of claim 6 wherein said substrate carrier further defines a displaced tab retention slot adapted to receive and accommodate the first and second displaceable tabs of the terminal connector.

10. The connector of claim 6 wherein said substrate carrier further defines a guiding slot adapted to slidably receive and guide the terminal blade of the relay.

11. The connector of claim 6 wherein the body of the terminal connector further comprises a wire connecting post adapted for engagement with a wire conductor.

12. The connector of claim 6 wherein the first and second displaceable tabs are first and second folding tabs.

13. The connector of claim 12 wherein the first and second folding tabs each include a first end carried by the body of the terminal connector and a second curled end.